**Discussion of requirements regarding CLIMAT and DAYCLI reporting**

1. CLIMAT and DAYCLI reports are key climate data reports , which strongly underpin the creation of global and regional (and national) climate datasets. Reason: CLIMAT and DAYCLI submit monthly and daily quality-controlled data including extremes and cumulative values, which are not found from real-time reports such as SYNOP.
2. Currently, CLIMAT reports are provided by the GCOS Surface Network (GSN with +- 1000 stations) and exRBCN stations (with +- 3000 stations)–. GSN basically addresses global climate monitoring needs and exRBCN addresses regional climate monitoring needs.
3. **SERCOM/SC-CLI/ET DDS (Expert Team on Climate Data Development and Stewardship) requires keeping or increasing the number of stations reporting CLIMAT. The Team also requires that all stations, which report CLIMAT should additionally report DAYCLI in the future.**
4. ET DDS strongly believes that baseline observing networks shall meet climate requirements by definition. It seems logic to require all GBON and RBON stations to report CLIMAT (and DAYCLI in the future) to create a strong Earth observations’ database including for climate services and related climate variability and climate change assessments (e.g. for WMO State of the Climate reporting).
5. At minimum, CLIMAT and DAYCLI reporting from GCOS Surface Network (GSN) stations are agreed to meet the minimum requirements for global scale climate services and the exRBCN stations are agreed to meet regional scale climate services requirements (*note: Reference Climatological Stations are seen as an integral element of national, regional and global dataset development and maintenance*).
6. We are concerned of recent developments and we see a risk of a decrease of CLIMAT (and DAYCLI)-reporting stations worldwide with the depreciation of the RBCNs. It seems unclear, how RBON relates to CLIMAT (and DAYCLI) reporting. As a consequence, the collection of CLIMAT (and DAYCLI) reports cannot efficiently be monitored nor promoted. This can be observed in OSCAR, where CLIMAT (and DAYCLI) reporting stations cannot anymore be attached to a defined network category.
7. We propose considering the following solutions: i) All GBON and RBON stations are required to report CLIMAT and DAYCLI; ii) Acknowledge GSN stations as the climate arm of GBON: All GSN stations and all RBON stations are required to report CLIMAT and DAYCLI; iii) Acknowledge GSN stations as the climate arm of GBON and exRBCN stations as the climate arm of RBON: All GSN and exRBCN stations are required to report CLIMAT and DAYCLI; iv) Define a new network category for climate, consisting of climatological stations (GSN plus exRBCN), which are required to report -and defined by reporting- CLIMAT and DAYCLI.